Digital Product Range

CLICK ON THE PRODUCTS



P.IVA/VAT: 03640490284
© Vesta Automation Srl



40 years of international expertise in the main fields of automation

designed to your needs





Since 1984, pneumatic solutions for a range of different industries in over 60 markets worldwide

CLICK TO EXPLORE VESTA
CUSTOM PNEUMATIC SOLUTIONS

PACKAGING & LOGISTICS

FOOD & BEVERAGE

BIOMEDICAL & PHARMA

PROCESS INDUSTRIES

WOOD, GLASS & ABRASIVES

VACUUM & MANIPULATION

AUTOMOTIVE & TRUCKS

RAILWAYS & RIDES

TEXTILE & PRINTING

WELDING & SIDERURGICAL



ALWAYS COMMITTED TO QUALITY

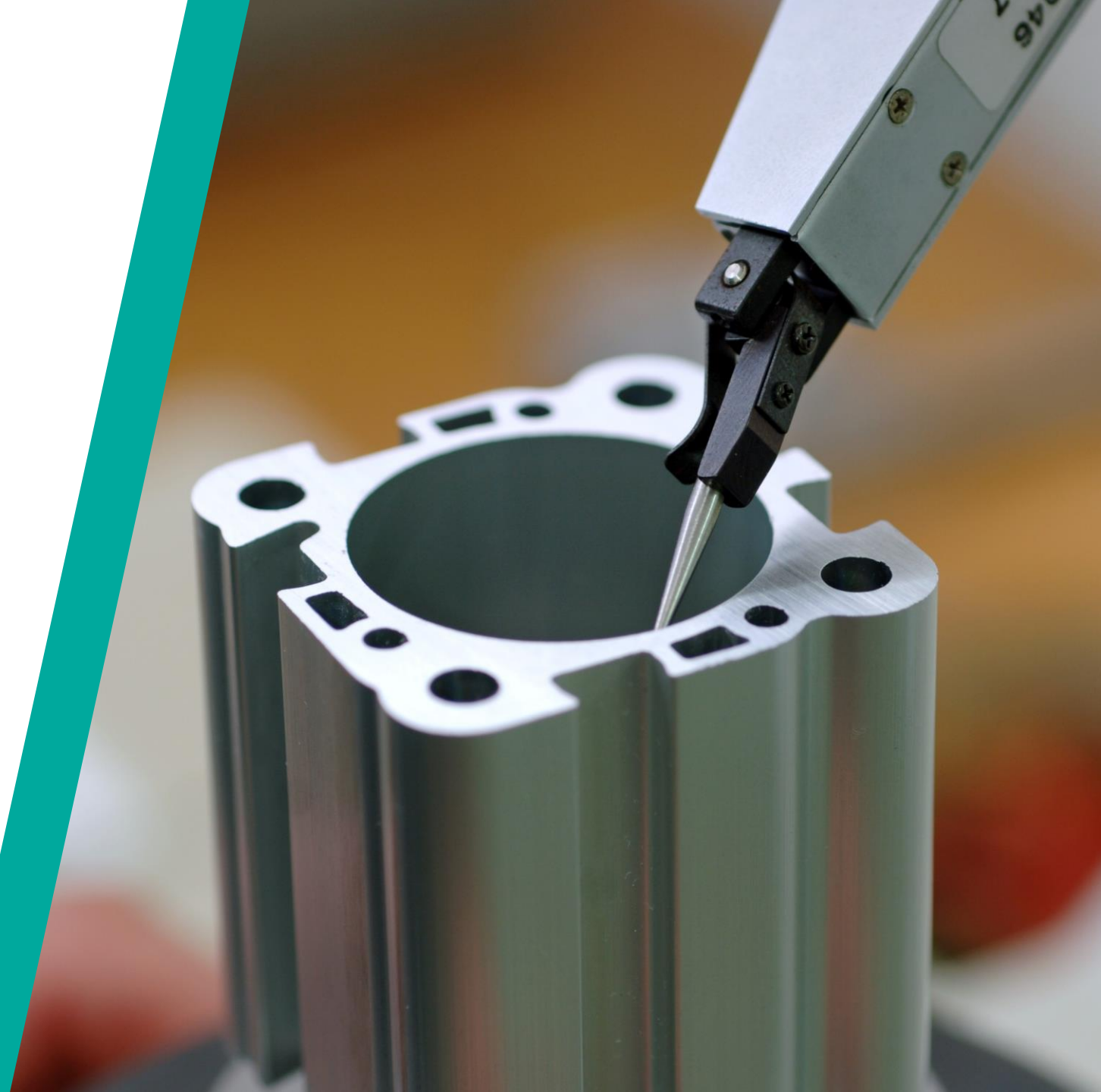
UNI EN ISO 9001
compliant since 1996
100% of products tested

SYSTEM CERTIFICATION
ISO 9001
SGS

MADE IN ITALY

CE Ex

CLICK TO DOWNLOAD ISO CERTIFICATION



THE RANGE

CLICK ON PRODUCTS

CYLINDERS

page 6

Pneumatic actuators & grippers



VALVES

page 19

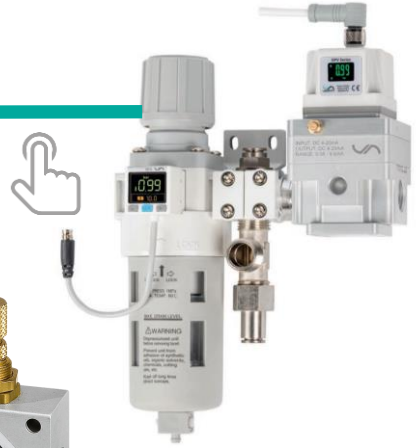
Pneumatic & solenoid valves



AIR TREATMENT

page 31

FRL units & precision regulators

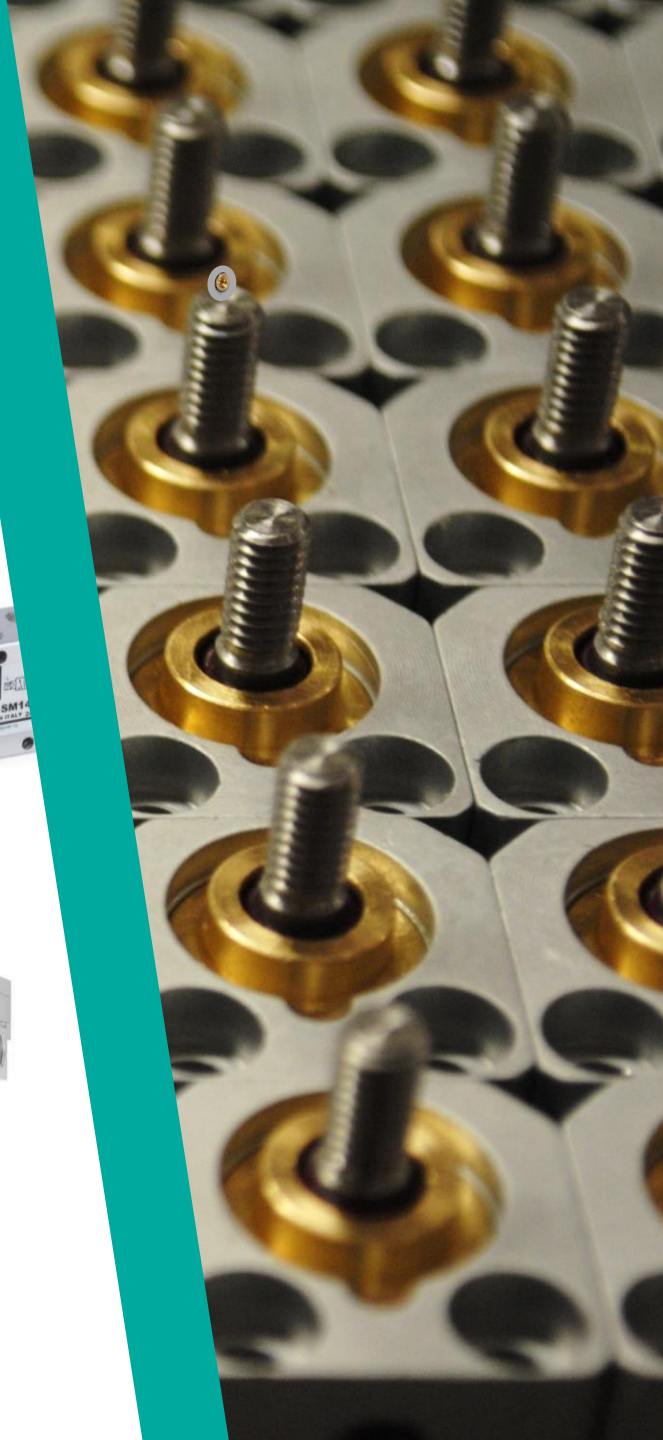


FITTINGS

page 38

Fittings, flow regulators, silencers





CYLINDERS

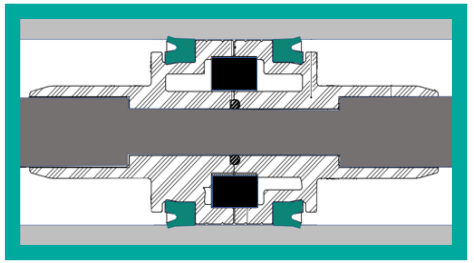
Over 40 million cylinders produced since 1984

PTFE-graphite-bronze
long bushing guide



Lapped/rolled
stainless steel rods

Polyurethane
(PUR) lip seals
for all series



CYLINDERS

RANGE MAP

ATEX CYLINDERS

STAINLESS STEEL CYLINDERS

CLICK ON PRODUCTS

ISO STANDARD CYLINDERS
page 8



STAINLESS STEEL CYLINDERS
page 16



GUIDED NON-ROTATION
page 12



ROTARY AND SLIDES
page 13



LONG STROKE
page 14



PNEUMATIC GRIPPERS
page 15



ISO 6432 ROUND CYLINDERS

Available with non-rotation hexagonal rod



Assembly kits available

DLM/ALM*

ø08, 10, 12, 16, 20, 25

ISO 6432 magnetic cylinders

***stainless steel version DLX/ALX: page 16**



DLT/ALT

ø32, 40, 50, 63

Round magnetic cylinders

CLICK ON PRODUCTS

MAGNETIC SWITCHES

ISO 15552 STANDARD CYLINDERS

Non-rotation option available





Polyurethane lip seals, stainless steel rods

FKM seals available for all sizes



HVT*

ø32, 40, 50, 63, 80, 100, 125

ISO 15552 magnetic cylinders

***stainless steel version HVX: page 16**

HVB

ø32, 40, 50, 63, 80, 100

rod breaking device

HVJ

ø160, 200, 250, 320, (300, 400)

ISO 15552 big-size magnetic cylinders

CLICK ON PRODUCTS

MAGNETIC SWITCHES

ISO 21287 & COMPACT CYLINDERS



Non-rotation & adjustable stroke versions available

SHK*

ø(16), 20, 25, 32, 40, 50, 63, 80, 100

ISO 21287 compact cylinders

***stainless steel version SHX: page 17**



Polyurethane double lip seals

SHU

ø12, 16, 20, 25, 32, 40, 50, 63, 80, 100

UNITOP compact cylinders



SHD

ø160, 200

Big size compact magnetic cylinders



SHQ

ø12, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125

Short-stroke magnetic cylinders

MAGNETIC SWITCHES

ISO CYLINDERS CONVERSION CHART

		FESTO	SMC	PARKER	NORGREN	ASCO
 ISO 6432	DLM ALM	DSNU (double act.) ESNU (single act.)	C85	P1A	RM8000	Series 435
 ISO 15552	HVT HVJ	DSBG DSBC DSBF	CP95 CP96	P1D (discontinued) P1F	PRA802000	Series 450 Series 453
 ISO 21287 & COMPACT	SHK SHD	ADN (double act.) EDN (single act.)	C55	P1P	RA192000	Series 499
	SHU SHQ	ADVU (UNITOP)	CDQ		RM92000	

GUIDED NON-ROTATION SOLUTIONS



Available in stainless steel

GLH*

ø20, 25, 32, 40, 50, 63, 80, 100

ISO 15552/6432 compliant linear control units H

***stainless steel version GLX: page 17**



Ball-bearing guide version available

SHG

ø12, 16, 20, 25, 32, 40, 50, 63, 80, 100

Compact guide non-rotation cylinders



2/3/4-tandem version available



NCV

ø63

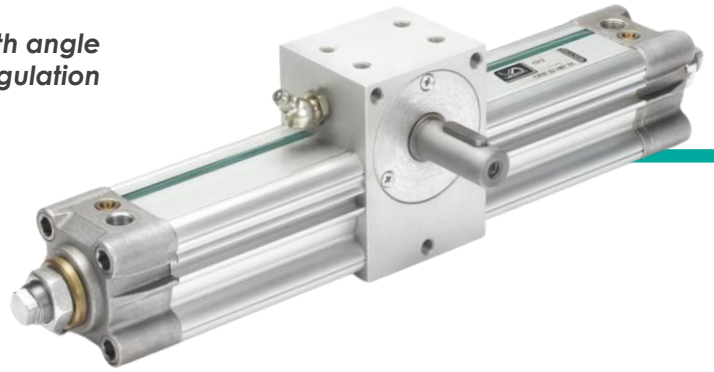
Flat non-rotation pneumatic cylinders

CLICK ON PRODUCTS

MAGNETIC SWITCHES

ROTARY ACTUATORS AND SLIDES

With angle regulation



CRW

ø12, 16, 20, 25, 32, 40, 50, 63

Rotary actuators (male/female, 90°/180°/360°)



HPS

Pneumatic dual holed-rod slides

CLICK ON PRODUCTS

MAGNETIC SWITCHES

LONG STROKE ACTUATORS





PATENT PENDING

RLF

ø25, 32, 40, 50, 63, 80, 100

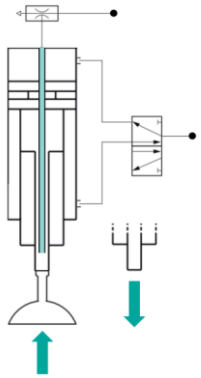
Long stroke rodless cylinders

TLS

ø25, 32, 40, 50, 63

Telescopic cylinders (2, 3 or more stages)

Also available with hollow-rod for vacuum and fluid control



CLICK ON PRODUCTS

MAGNETIC SWITCHES

PNEUMATIC GRIPPERS



NGA

ø10, 12, 16, 20, 25, 32

Angular 30° grippers (single/double acting)



Ball-bearing guiding system

NEW

NGP

ø10, 16, 20, 25

Parallel grippers (single/double acting)



NGT

ø12, 16, 20, 25

180° grippers

CLICK ON PRODUCTS

MAGNETIC SWITCHES

STAINLESS STEEL CYLINDERS

Inspectionable heads



FCX

ø32, 40, 50, 63

AISI 304 cylinders for the food industry

Available with non-rotation hexagonal rod



DLX/ALX

ø10, 12, 16, 20, 25

ISO 6432 cylinders (with adj. cushion) in AISI304/316



HVX

ø32, 40, 50, 63, 80, 100, 125 (160, 200)

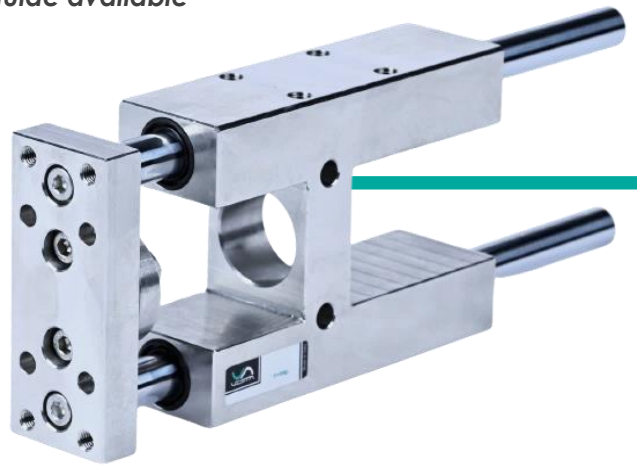
ISO 15552 cylinders in AISI 316

CLICK ON PRODUCTS

MAGNETIC SWITCHES

STAINLESS STEEL CYLINDERS

Ball-bearing guide available



GLX

ø25, 32, 40, 50, 63, 80, 100

ISO 15552/6432 linear H guides in AISI304/316



SHX

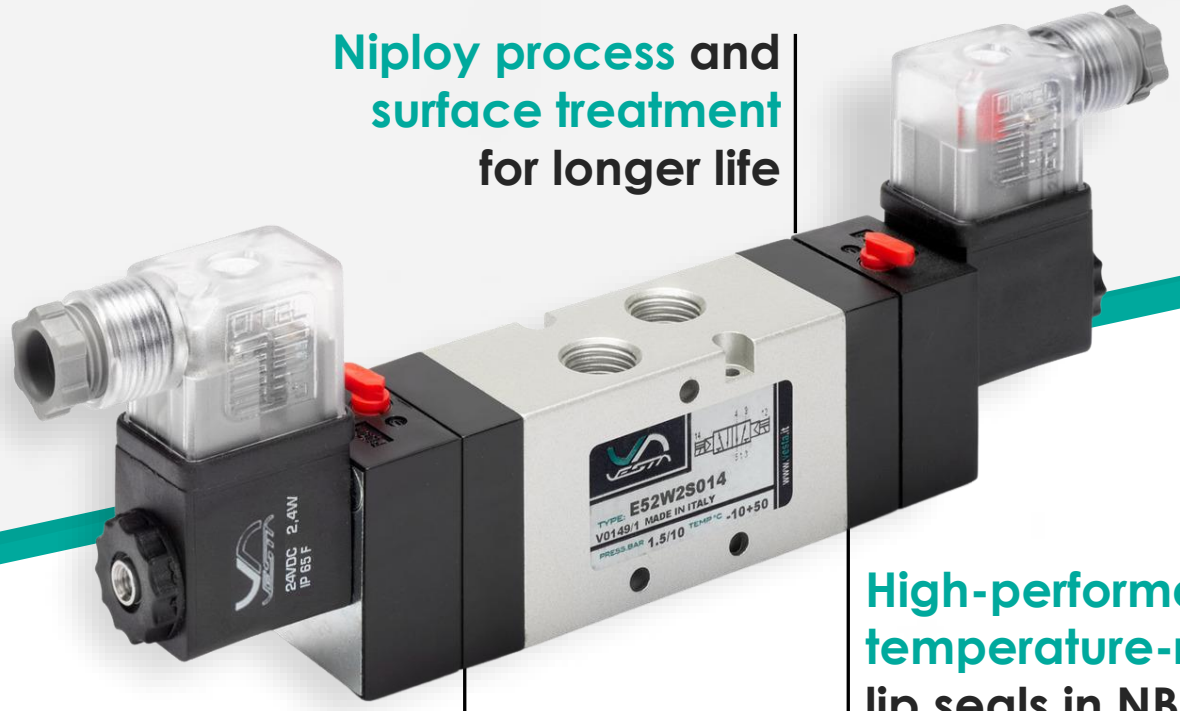
ø16, 20, 25, 32, 40, 50, 63, 80, 100

ISO 21287 compact cylinders in AISI 316

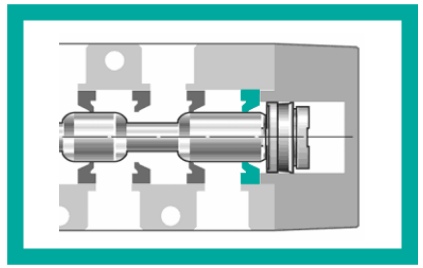
VALVES

34.5 million valves produced since 1989

Niploy process and surface treatment for longer life



High-performance temperature-resistant lip seals in NBR or FKM



Optimized spaces for high-flow

VALVES

RANGE MAP

3D STEP FILES

CLICK ON PRODUCTS

VALVES & NAMUR FOR EXTREME ENVIRONMENT
page 20



VALVES & NAMUR FOR STANDARD ENVIRONM.
page 22



ISO VALVES SIZE 1, 2, 3, 4
page 23



MULTIPOLE/NETWORK VALVE ISLANDS
page 24



PATENT PENDING

MINI VALVES HIGH-FLOW
page 25



3/2 DIRECT OPERATORS
page 26



HIGH-FLOW 3/2 VALVES
page 27



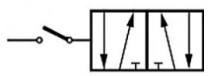
MECHANICAL & MANUAL VALVES
page 28



VALVES & SOLENOID VALVES

EXTREME ENVIRONMENT

Available with position sensor



SINCE 1989

High & low temp. versions available

ATEX II 3GD as standard



E/NM Series

22mm coil
G1/8'', 1/4'', 1/2'', NAMUR

ATEX II 3GD dust resistant lip-seals valves

CLICK ON PRODUCTS

COILS & CONNECTORS | *3D STEP FILES*

ATEX II 2 GD VALVES & SOLENOID VALVES



ATEX II 2GD

XE/XNM/XSVE

22mm coil ATEX II 2GD
G 1/4'', G 1/2'', NAMUR, ISO 1

ATEX II 2GD full metal-body lip-seals valves

High & low temp. versions available



CLICK ON PRODUCTS

COILS & CONNECTORS | 3D STEP FILES

VALVES & SOLENOID VALVES

NBR lip seals



External air supply versions available

LNE/LNM Series

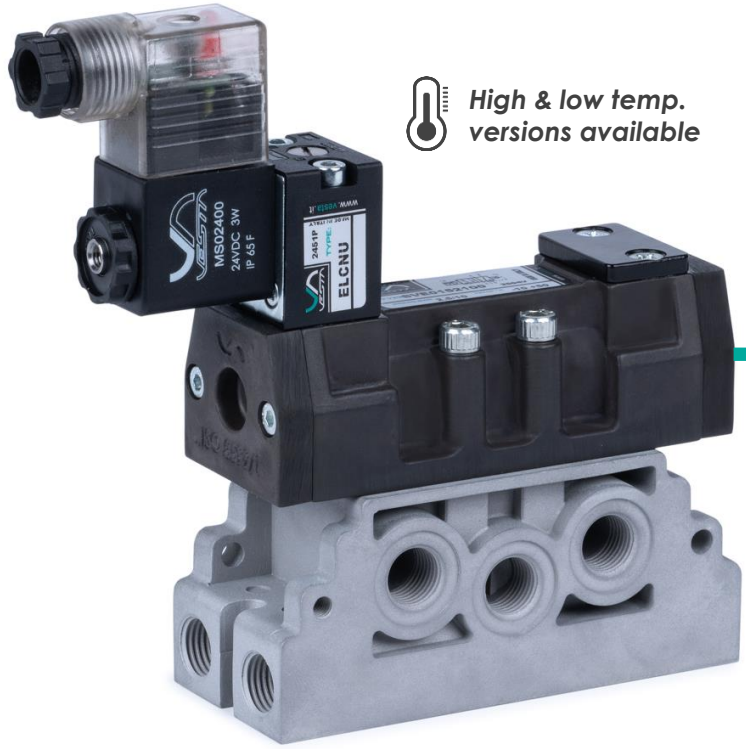
22mm coil
G1/8'', 1/4'', 3/8'', 1/2'', NAMUR

Light die-cast body lip-seals valves

CLICK ON PRODUCTS

COILS & CONNECTORS | *3D STEP FILES*

ISO 5599 VALVES & SOLENOID VALVES



High & low temp. versions available

Manifolds available for all sizes (1, 2, 3, 4)

SVP/SVE Series

22/30mm coil
SIZE ISO 1, ISO 2, ISO 3, ISO 4

Die-cast body lip-seals *ISO 5599* valves

CLICK ON PRODUCTS

COILS & CONNECTORS

MULTIPOLE & FIELDBUS VALVE MANIFOLD



PATENT PENDING

Innovative system for coils configuration

Switching Time 15ms

Assembly kits available



EWJ MULTIPOLE ISLAND

Operator 10mm
IN: G1/4'' OUT: tube ⌀ 6, ⌀ 8

Self-configuration modular plug-in valve terminal

EWJ NETLOGIC

ETHERNET IP, PROFINET

Industrial network protocol valve terminal

OPERATION AND CONFIGURATION MANUAL:

EtherNet/IP PROFINET

Other protocols are available on request

CLICK ON PRODUCTS

COILS & CONNECTORS

MINI SOLENOID VALVES

Flow rate G1/4''
1,400 NL/min



K Series

17mm coil
G1/8'', 1/4'', 1/2''

High-flow quick-exchange mini valves

Quick switching times up to 35Hz



CWY Series

10mm coil
M5 ports

Mini M5 port valves manifold

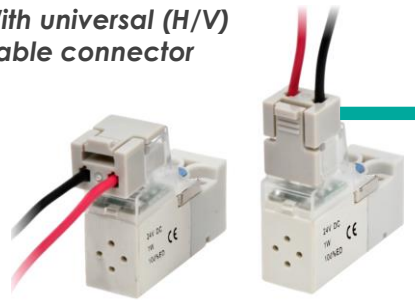
CLICK ON PRODUCTS

COILS & CONNECTORS | *3D STEP FILES*

DIRECT ACTING 3/2 OPERATORS

With universal (H/V) cable connector

Fast switching times up to 30Hz



CWJ-10

10mm

3/2 micro operators 10mm (manifold available)

Modular bodies for quick assembly



QBE

22mm coil - G1/8''

3/2 direct acting solenoid valves

CLICK ON PRODUCTS

COILS & CONNECTORS

HIGH-FLOW 3/2 POPPET VALVES

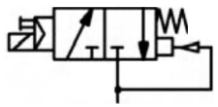
EXTREME ENVIRONMENT



High & low temp. versions available



Flow rate 6.000 to 60.000 NL/min



Vacuum with servo-vacuum available

PV32

22/30mm coil

G1/8'', 1/4'', 3/8'', 1/2'', 3/4'', 1'', 1½'', 2''

3/2 high-flow poppet valves for air & vacuum

CLICK ON PRODUCTS

COILS & CONNECTORS

MANUAL VALVES

EXTREME ENVIRONMENT



Available with AISI 304 lever

High & low temp. versions available

VCML

G1/8'', 1/4'', 1/2''

Manual lever valves (AISI 304 lever option)



Available with pneumatic return



VCMT

G1/8'', 1/4''

Manual button valves



VFP

G1/4''

Foot pedal valves

CLICK ON PRODUCTS

MECHANICAL VALVES

EXTREME ENVIRONMENT



High & low temp. versions available

VCMS

G1/8", 1/4"

Cam actuated mechanical valves



VCLL

G1/8"

Lateral roller-lever mechanical valves



Food grade (AISI 304) operator available

VCLR

G1/8"

Roller-lever valves (AISI 304 operator option)

CLICK ON PRODUCTS

MANUAL & MECHANICAL MICRO VALVES



MPGI/MPF/MSR

Push-in Tube Ø4, M5

Manual button/switch micro valves



Available NC/NO, 5/2 and M5 ports

MMA

Push-in Tube Ø4, M5

Cam actuated mechanical micro valves



MMR/MMS

Push-in Tube Ø4, M5

Roller lever mechanical micro valves

CLICK ON PRODUCTS

PNEUMATIC LOGIC ELEMENTS



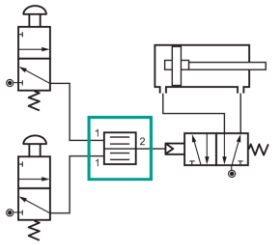


AND/OR/YES/NOT

Push-in Tube Ø4

Logic elements for pneumatic control

Two-hand safety valve





SBI

Push-in Tube Ø4

Two-hand safety valves

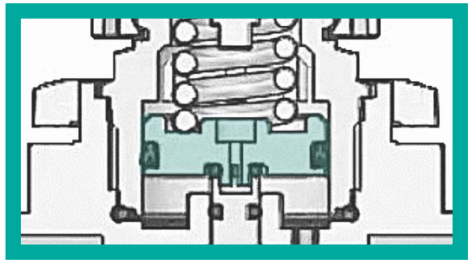
AIR TREATMENT UNITS

All series with aluminium body for high-resistance



From 1/8'' precision regulation up to 2'' high-flow elements

Acetal polymer pistons with NBR lip seals for stable regulation



AIR TREATMENT

RANGE MAP

3D STEP FILES

MANUAL & PILOT PRESSURE REGULATORS

page 34

CLICK ON PRODUCTS



HIGH-PRECISION & PROPORTIONAL PRESSURE REGULATORS

page 35

CLICK ON PRODUCTS



MODULAR LINES G1/4-G1'' FRL UNITS

page 36



HIGH-PRESSURE & HIGH-FLOW FRL UNITS

page 39



PRESSURE BOOSTERS

page 39



MANUAL & PILOT PRESSURE REGULATORS



TU-R2

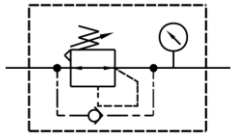
M5, G1/8'', 1/4''

Pressure microregulators (with backflow option)



High & low temp. versions available

Regulators available with backflow option



TU-R SIZE 3/4/5

G1/4', 3/8'', 1/2'', 3/4'', 1''

Pressure regulators (with backflow option)



TU-RP 6/7

G1/2'', G1'', G1 ½'', G2''

Pilot pressure regulators

GAUGES | BRACKETS | 3D STEP FILES

CLICK ON PRODUCTS

HIGH-PRECISION PRESSURE REGULATORS



0.2% F.S. precision

HPR SERIES

G1/8", 1/4", 1/2"

High-precision manual pressure regulators



High flow rates:
G1/2" 5,000 NL/min
G1" 14,200 NL/min

DPV SERIES

OPERATION MANUAL

G1/4", 1/2"

Proportional valves with electric control



Output: 1-5V, 4-20mA & PNP

DPS SERIES

OPERATION MANUAL

G1/8"

Digital pressure switches (positive and vacuum)

NEW



DFM SERIES

G1/4", 1/2", 3/4"

Digital flow meters (100 to 2,000 NL/min)

3D STEP FILES

CLICK ON PRODUCTS

FRL UNITS – MODULAR LINES





Filtering from 40 to 0,01 µm

TU-FRL SIZE 2

G1/4'

R = Regulator, **FR** = Filter-regulator, **FRL** = FRL Unit
F = Filter, **L** = Lubricator, **VM** = 3/2 on-off valve
VS = Slow start + shut-off valve

TU-FRL SIZE 3

G1/4'', 3/8'', 1/2''

R = Regulator, **FR** = Filter-regulator, **FRL** = FRL Unit
F = Filter, **L** = Lubricator, **VM** = 3/2 on-off valve
VS = Slow start + shut-off valve, **MMF** = Micro-mist filter

CLICK ON PRODUCTS

GAUGES | BRACKETS | 3D STEP FILES

FRL UNITS – MODULAR LINES







Metal bowl available for all sizes

TU-FRL SIZE 4

G1/2''

R = Regulator, **FR** = Filter-regulator, **FRL** = FRL Unit
F = Filter, **L** = Lubricator, **VM** = 3/2 on-off valve
VS = Slow start + shut-off valve

TU-FRL SIZE 5

G3/4'', 1''

R = Regulator, **FR** = Filter-regulator, **FRL** = FRL Unit
F = Filter, **L** = Lubricator, **VM** = 3/2 on-off valve
VS = Slow start + shut-off valve

TU-SF SIZE 4/5

G1/2'', 1''

Special filters and water separators

GAUGES | BRACKETS | 3D STEP FILES

CLICK ON PRODUCTS

HIGH-FLOW, HIGH-PRESSURE & BOOSTERS



0-15 bar regulation, 20 bar resistance

High & low temp. versions available

TU-F, R, L SIZE 4H

G1/2''

High-pressure air treatment units (0-15 bar)
HHT version (+120°C), **LLT** version (-40°C)



Flow rates up to 50,000 NL/min

TU-F, R, L SIZE 6/7

G1 ½'', 2''

High-flow filters & regulators



PBR SERIES

ø40, 63, 100

Pressure boosters (1:2, 1:3, 1:4)

CLICK ON PRODUCTS

GAUGES

FITTINGS

RANGE MAP

FITTINGS CATALOG

QUICK PUSH-IN FITTINGS & MINI FITTINGS

page 40



BRASS FITTINGS

page 40



STAINLESS STEEL FITTINGS

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CONTROL VALVES

page 40



FLOW REGULATORS

page 41



SILENCERS

page 41



FITTINGS WITH VACUUM GENERATOR

page 41



FLOW REGULATORS, SILENCERS, VACUUM



QF

G1/8'', 1/4'', 3/8'', 1/2''

Quick push-in fittings



QM

M3, M5, M6

Quick push-in mini fittings



QB

G1/8'', 1/4'', 3/8'', 1/2''

Brass push-in fittings



QX

G1/8'', 1/4'', 3/8'', 1/2''

Stainless steel push-in fittings



QV

G1/8'', 1/4'', 3/8'', 1/2''

Control valves

FITTINGS CATALOG

CLICK ON PRODUCTS

FLOW REGULATORS, SILENCERS, VACUUM



Precision control
high flow capacity





Vacuum pressure
up to -0.90 bar



VRF

G1/8", 1/4", 3/8", 1/2"

Precision speed controllers

QR

G1/8", 1/4", 3/8", 1/2"

Push-in speed controllers

QS

G1/8", 1/4", 3/8", 1/2"

Silencers & exhaust control silencers

VQ

G1/8"

Fittings with vacuum generators

CLICK ON PRODUCTS

FITTINGS CATALOG

A custom Experience.

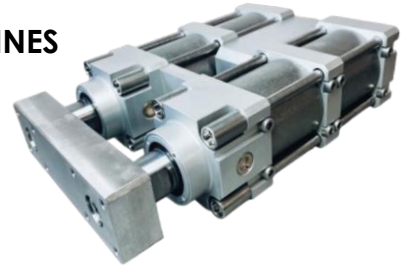
RAILWAYS
& METRO SYSTEMS



TRUCKS
& AUTOMOTIVE



WELDING
PLANTS & MACHINES



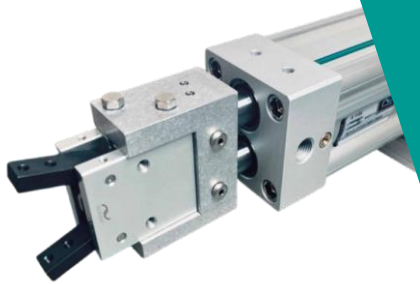
CEMENT
& STEEEL PLANTS



FOOD
PROCESS



PLASTIC
PRODUCTION



CLICK ON PRODUCTS

BACK TO THE RANGE

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